**load balancer**

load balancer is used to automatically distribute you incoming application traffic across all the ec2 instances that you are running.

**To configure the Alb**

Create two instances and connect to off them to terminal and install the webserver . go to security group and add the rule of http .

yum update -y

yum install httpd -y && service httpd start

systemctl enable httpd

echo "<h1>webserver 1 </h1>" > /var/www/html/index.html

systemctl start httpd

systemctl status httpd

Go to the browser and enter the public ip we can webserver in running condition.

* Create target group
* Click on Instances
* Target group name (name)
* Protocol port: 80
* Vpc( your application vpc)
* Next click
* Select
* Port no: (80)
* Click include as pending below
* Create target group

**To configure the Alb Load balance**

* Click load balance
* Click Application load balancer
* Load balancer name ( choose option)
* Scheme (Internet-facing)
* Vpc (your application)
* Mapping(your available zone select a,b,c)
* Security group ( http,ssh,your application port Jenkins port no)
* Select targets group
* Copy dns( domain name service)
* Paste(url web Brower)

**Auto Scaling**

Autoscaling help to ensure that you have the correct number of instances availably to handle to load for you application your create collections of ec2 instance is called auto scaling.

***To configure the Auto Scaling***

* *Click Launch*  configure
* *Name(option)*
* *AMI (*ami-068257025f72f470d)(same your application ami)
* Instance type (t2.micro)
* Security group ( 80,22)
* Key pair (same key pair) your application
* Create launch configurations
* Click name
* Go to actions
* Create auto scaling groups
* Auto Scaling group name(any name)
* Click next
* Vpc( default)
* Subnets (a,b,c )
* Click next
* Attach to a new load balancer(click)
* Click ELB
* Group size( options 1 or more)
* Click next
* Add notification
* Name
* Create topics ( gmail)Next

